

Summary

Electronic control method for a slip-controlled motor vehicle brake system

The invention relates to an electronic control method for a slip-controlled motor vehicle brake system (1), featuring a distributor device (5) with an electronic unit (7, ECU) and hydraulic unit (6, HCU) comprising a housing body for hydraulic components, in particular, electrohydraulic inlet and outlet valves (9,10) for wheel brakes (8) organized in brake circuits, and with a motor-pump-aggregate with an electric motor (15), in particular, for redirecting hydraulic fluid from wheel brakes (8) in the direction of a pressure sensor (3), wherein antilock control is facilitated through the build-up, maintenance and release of pressure in the electrohydraulic inlet and outlet valves (9,10), while the admission pressure input by the driver is analyzed by means of the pressure sensor (3) in the brake system.

To facilitate an estimation of admission pressure using very little sensory effort, it is provided that

- a. The electronic unit (7) supplies the motor (15) with defined electrical starting and/or shut-off phases for the purpose of controlling rotational speed,
- b. A generator voltage generated by the motor (15) is tapped during a shut-off phase,

- c. The generator voltage (15) is fed to the electronic unit (7), which estimates the admission pressure present in the brake system based on the determined generator voltage to
- d. Facilitate a reduced-noise triggering of the electrohydraulic valves (9).

(fig. 6)